

19980104.ba v01_n864.bam.980104

>From ???@??? Sun Jan 04 23:48:46 1998
Message-Id: <199801042001.0AA10877@sco.theporch.com>
Date: Sun, 4 Jan 1998 14:01:15 CST
Subject: BOATANCHORS digest 1864

BOATANCHORS Digest 1864

Topics covered in this issue include:

- 1) Re: Safer way to clean Litz
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- 2) Strange File in Digest 1861
by "Barry L. Ornitz" <ornitz@tricon.net>
- 3) Re: Tube Dreams
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- 6) Re: V large chokes...how large?
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by "Arden Allen" <aallen@sirius.com>
- 8) Grossly Overpriced BC-348?
by rlahlum@juno.com (Ross J Lahlum)
- 9) Hallicrafters Skyrider Panoramic SP-44
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- 10) Receiver R1051B
by Hal Waite <halwaite@sprintmail.com>
- 11) Re: Grossly Overpriced BC-348
by Ed Tanton <n4xy@bellsouth.net>
- 12) Re: Grossly Overpriced BC-348?
by Bill Jarvis <B.H.Jarvis@hw.ac.uk>
- 13) Rare? This's rare
by marty@aa4rm.radio.org (Marty R's latest)
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by marty@aa4rm.radio.org (Marty R's latest)
- 15) BC-610 / -614
by arc5@ix.netcom.com
- 16) Re: Grossly Overpriced BC-348?
by "David M. Nance" <dmnance@roanoke.infi.net>
- 17) Re: Rare? This's rare
by "Mike B. Feher" <n4fs@monmouth.com>
- 18) Re: V large chokes...how large?
by Bob Roehrig <broehrig@admin.aurora.edu>
- 19) Re: T-350XM TRANSMITTER

by polepeeg@aa4rm.radio.org (BA x-actions hr)
20) Re: Grossly Overpriced BC-348?
by "OZ8R0" <otterstad@inet.uni-c.dk>
21) SX111/FS
by laffitte@prtc.net (laffitte)
22) Re: V large chokes...how large?
by "Roberta J. Barmore" <rbarmore@indy.net>
23) Re: Is This a SW-3? -and- James Fred's address?
by John Dilks <oldradio@worldnet.att.net>
24) 51J4 Follow Up
by Dan Martin <dmartin@visuallink.com>
25) RE: WTB coil set for Signal Shifter
by JONWEINER <JONWEINER@aol.com>
26) Re: V large chokes...how large?
by "Roberta J. Barmore" <rbarmore@indy.net>
27) Morse Perforator Needs
by Dick Dillman <ddillman@igc.apc.org>
28) IF infofor R-4B
by "Paul Bernhard Sr." <w2tu@email.msn.com>
29) Re: Is This a SW-3? -and- James Fred's address?
by "Roberta J. Barmore" <rbarmore@indy.net>
30) Re: Epoxy? Never on glass
by "Arden Allen" <aallen@sirius.com>

Date: Sat, 3 Jan 1998 21:47:31 -0500
From: "Barry L. Ornitz" <ornitz@tricon.net>
To: "Jim Carrington" <jcall@sirius.com>
Cc: "Boatanchors Mailing List" <boatanchors@sco.theporch.com>
Subject: Re: Safer way to clean Litz
Message-ID: <01bd18bb\$1a2623a0\$707fb0cc@ornitz.tricon.net>

Jim Carrington wrote:

> I recently had the need to strip some Litz wire and found a technique in a
> Rider book called "How to Build Electronic Equipment" (J. Richard
> Johnson 1962). It says that industry practice is to use a gas or alcohol
> lamp and a small can of alcohol for quenching. The method in the book
> says " hold the end of the wire in the flame until the insulation burns off
> and the wire turns cherry red (no longer !). Then, quickly plunge the hot
> end into a can of alcohol. The insulation and enamel should now be removed
> and the wire strands left clean and bright." Be careful that the can
> of alcohol doesn't catch fire , but if it does, cover it with a metal lid
> to put it out.

This works well if the insulation is cotton (as in the ORIGINAL Litz) or
some of the more modern thermal strippable plastics. It does not work for
all enameled wire, however. I have a 20 pound spool of #32 of such wire.

When burnt, the insulation reacts with the copper surface enough that it must be scraped or sandpapered to remove what is left. The Strip-X works, however. If you are trying to repair an IF transformer or such, you may not have the luxury of removing the coil to get it to a flame and alcohol.

The alcohol, by the way, reacts with the hot copper to remove the surface oxidation. Methanol works best here.

73, Barry L. Ornitz WA4VZQ ornitz@tricon.net

Date: Sat, 3 Jan 1998 22:09:56 -0500
From: "Barry L. Ornitz" <ornitz@tricon.net>
To: <boatanchors@theporch.com>
Cc: "Barry L. Ornitz at Eastman" <ornitz@eastman.com>
Subject: Strange File in Digest 1861
Message-ID: <01bd18be\$3bdf8880\$707fb0cc@ornitz.tricon.net>

My article on Strip-X and Enameled Wire in Digest 1861 seemed to read properly by many readers since I have received queries on it and Hank quoted a little. However, in my digest, it came through scrambled and I had to play with the file a little before I could read it. I sent this file from work where our firewall system has been known to occasionally make some subtle changes.

The point I was trying to make, for those who could not read the article, is that the phenol or cresol in Strip-X is very toxic, and the methylene chloride degreases your skin and makes skin absorption much more serious. Both phenol and cresol can anesthetize the skin so after a small initial burning sensation is felt on contact, the pain goes away. But the damage is still occurring. This is the reason for using good gloves and the reason for washing a spill for 15 minutes before calling a doctor. As Hank noted, Playtex kitchen glove are useful; I use acrylonitrile Solvex (r) gloves. But the thin latex gloves like the medical profession uses are worthless against Strip-X.

Phenols and hydrofluoric acid (used for etching crystals) are probably the two worst types of chemicals Boatanchorites may come in contact with because both have the anesthetic property. Used safely, they do a great job. Used foolishly they can cause lots of pain and suffering.

73, Barry L. Ornitz WA4VZQ ornitz@tricon.net

Date: Sat, 3 Jan 1998 22:09:12 +0000
From: "Robert Nickels" <ranickel@mwci.net>
To: Old Tube Radios <boatanchors@theporch.com>, gpewitt@execpc.com
Subject: Re: Tube Dreams
Message-ID: <199801040409.WAA14075@subcellar.mwci.net>

New Year's greetings from 55 degree Northern Illinois!

> Anyone ever speculate about how tubes might have developed if
> transistors had never been invented?

I think Gary raises an interesting question, and without getting too far astray from our charter, I also think that rumors of the demise of the vacuum tube are premature. When I was working with silicon micromachining about 10 years ago, I recall reading about an attempt to produce a vacuum tube-like device by anisotropic etching silicon to create a thermally-isolated structure upon which a heater and other metallic elements could be deposited by standard IC processing methods. My recollection was that a second wafer would be bonded (in a vacuum, presumably) and the sandwiched diced apart to create individual "micro-tubes".

Has anyone heard of this or similar fabrications? Could the semiconductor industry have produced the means to re-invent thermionic devices?

73, Bob W9RAN

Date: Sun, 04 Jan 1998 04:08:39 +2400
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>
To: skywaves <skywaves@bw.webex.net>
Cc: boatanchors <boatanchors@theporch.com>
Subject: Re: V large chokes...how large?
Message-ID: <199801040408.EAA26790@punt1.hw.ac.uk>

Hi OM and others,

I'm trying to visualise those several hundred henry chokes I have been reading about in this "thread". 10 henry chokes seem physically quite big and heavy to me. Is it possible a few zeros got dropped, or am I overlooking something?

Bill, aka maestro@cix.co.uk.

GM8APX, qthr=No 6, EH4 6JY==Cave felem==No Rectangulars=Ikke Hawkering

Aiunt multum legendum esse, non multa

Net-Tamer V 1.10 - Registered

Date: Sun, 04 Jan 1998 04:08:44 +2400
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>
To: aguibert <aguibert@SYMPATICO.CA>
Cc: boatanchors <boatanchors@theporch.com>
Subject: Re: Looking for an EL32
Message-ID: <199801040408.EAA26793@punt1.hw.ac.uk>

On 1998-01-03 aguibert@SYMPATICO.CA said:
ag>Anybody would have an EL32 in the deep end of the
ag>treasure pile or is it just a dim memory for some
ag>of you.
ag>It would make me more secure as a backup for one of
ag>offbeat boatanchor.
ag>Andre

It's quite a low power 6V octal pentode, unusual in having a top cap grid; but I'd be surprised if the top cap connection is really necessary - wouldn't a similar valve with grid brought out to base suffice? Even the humble 6V6 or something smaller?

I'm told that more direct equivalents are 1637, 0M9, and VT52.

Good hunting! - or Happy Substituting!

Bill, aka maestro@cix.co.uk.

GM8APX, qthr=No 6, EH4 6JY==Cave felem==No Rectangulars=Ikke Hawkering

Quem deus vult perdere prius dementat

Net-Tamer V 1.10 - Registered

Date: Sat, 03 Jan 1998 23:35:20 -0500
From: Al Klase <skywaves@bw.webex.net>
To: Bill Jarvis <B.H.Jarvis@hw.ac.uk>
Cc: boatanchors <boatanchors@theporch.com>
Subject: Re: V large chokes...how large?
Message-ID: <34AF1188.3B4E0752@bw.webex.net>

Bill es Group,

Yes, we all meant to say hundreds of henries. The plate resistance of a remote cutoff pentode is on the order of a megohm, so a high value is indicated if max gain is to be achieved. The choke only has to handle 5-10 mA versus 100's for a 10 H power supply choke, so it need not be unusually large. It does have a lot of turns of fine wire though.

73,
Al

Bill Jarvis wrote:

> I'm trying to visualise those several hundred henry chokes I have been
> reading about in this "thread". 10 henry chokes seem physically quite
> big and heavy to me. Is it possible a few zeros got dropped, or am I
> overlooking something?
>
>

--

Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ 08822
Web Page: <http://www.webex.net/~skywaves/home.htm>

Date: Sat, 3 Jan 1998 21:35:21 -0800
From: "Arden Allen" <aallen@sirius.com>
To: "Old Tube Radios" <boatanchors@theporch.com>, <B.H.Jarvis@hw.ac.uk>
Subject: Re: V large chokes...how large?
Message-ID: <199801040534.VAA12292@mail1.sirius.com>

Bill;

> I'm trying to visualise those several hundred henry chokes I have been
> reading about in this "thread".

You may recall that inductance increases at the square of the turns, i. e., twice as many turns produces four times the inductance. After winding

awhile you can get some real inductance!

Give your loved ones Gummy Bears.

Arden Allen KB6NAX Vallejo, CA aallen@sirius.com

Date: Sat, 3 Jan 1998 23:28:39 -0600
From: rlahlum@juno.com (Ross J Lahlum)
To: boatanchors@theporch.com
Subject: Grossly Overpriced BC-348?
Message-ID: <19980103.235625.10278.0.rlahlum@juno.com>

I decided to stop in a nearby antique shop today, and the counter attendant told me they did in fact have some old radios & electronic equipment (that's the question I always ask in antique stores - I like old wood-cased meters & similar scientific & test equipment, too. Sometimes you find a good deal). Well, I saw a BC-348P in a display case, in pretty clean condition - for \$350.00!!! I've been wanting a BC-348 for some time, but holy heaters, what were those people thinking? Is WWII stuff * that* collectible?

73,
Ross KB9JJR

Date: Sat, 03 Jan 1998 22:00:03 -0800
From: Hal Waite <halwaite@sprintmail.com>
Cc: Boatanchors <boatanchors@theporch.com>
Subject: Hallicrafters Sky rider Panoramic SP-44
Message-ID: <34AF2563.343C@sprintmail.com>

I have been fortunate enough to obtain this item in excellent cosmetic condition but without a manual. Of course I will reform the caps, check tubes and parts, etc. before connecting it to my SX-28.

The W7FG manual service does not have a copy. Is there someone on the list who can make a copy for me? I would be pleased to pay in advance for copy and mail expenses. Thanks.

Hal K3AB/7

Date: Sat, 03 Jan 1998 22:04:04 -0800
From: Hal Waite <halwaite@sprintmail.com>
Cc: Boatanchors <boatanchors@theporch.com>
Subject: Receiver R1051B
Message-ID: <34AF2654.5D57@sprintmail.com>

I have come across this interesting receiver. Is there anyone on the list who can give me a brief summary of the features? Thanks.

Hal K3AB/7

Date: Sun, 04 Jan 1998 02:21:41 -0500
From: Ed Tanton <n4xy@bellsouth.net>
To: rlahlum@juno.com
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Grossly Overpriced BC-348
Message-ID: <3.0.1.32.19980104022141.00ace5a0@mail.atl.bellsouth.net>

ABSOLUTELY A TERRIBLE PRICE!!! You should be able to get a pretty good '348 for less than \$150 anytime, more or less. And usually less... by mail down to \$85-\$100 plus S/H and better than that at hamfests. Antique shops get some strange notions about electronics.

Ed Tanton N4XY

Date: Sun, 04 Jan 1998 10:25:03 +2400
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>
To: rlahlum <rlahlum@juno.com>
Cc: boatanchors <boatanchors@theporch.com>
Subject: Re: Grossly Overpriced BC-348?
Message-ID: <199801041025.KAA26986@punt1.hw.ac.uk>

On 1998-01-04 rlahlum@juno.com said:
rl>Well, I saw a BC-348P in a display case, in pretty
rl>clean condition - for \$350.00!!!

Over 5 years in Edinburgh I've noticed the asking price of anything to do with wireless rocket. Now it's beginning to come back down.

As with any specialist field, the general traders stumble upon something they don't understand, for which someone gladly pays an unexpectedly large sum. So they buy in what looks similar, and ask similar. Then they

are stuck with it and prices come down again.

It's happening with slide rules! But most antique shops have laid in stocks of ORDINARY rulers by mistake.

I got my head bitten off for offering 5 (about \$8) for a tatty slide rule at a car boot sale (what do you call those in the USA?) - owner thought it was worth ten times that.....until the end of the day.

I don't think MANY people will pay silly prices for wireless stuff for long. They'll realise they are stuck with junk.

Most of us are old enough to wait a bit anyway. If we're spared.

In the UK (and Europe?) it's an offence to sell mains electrical goods unless it's safe and has a correctly fitted plug and lead. Which makes most of the stuff offered in junk shops "for display only". (That law came in Feb 1996.)

2 years ago I offered to an old lady to take her 2 vintage wirelesses to an agent who was advertising in the UK for stuff to be auctioned for unbelievable prices in Germany. Luckily I asked questions before committing myself (or her) and the advertiser disappeared. I think I have now found a "respectable" wireless auction of long standing but I've told the patient lady that I'm not going to take any risks with anyone else's goods; instead I'll just keep her informed and stand by my original offer if and when I'm confident we won't be ripped off.

But how I wish I had a barn in which to keep those less than collectible articles which are full of desirable spare parts!

Still seeking a PP O/P transformer for 30 watts.

Bill, aka maestro@cix.co.uk.

GM8APX, qthr=No 6, EH4 6JY==Cave felem==No Rectangulars=Ikke Hawkering

Quem deus vult perdere prius dementat

Net-Tamer V 1.10 - Registered

Date: Sun, 4 Jan 1998 07:39:26 -0500

From: marty@aa4rm.radio.org (Marty R's latest)
To: boatanchors@theporch.com
Subject: Rare? This's rare
Message-ID: <199801041239.HAA05532@aa4rm>

It's K4JBJ's memory.

WA4KCY & I both have a 807/6CL6 novice rigs made in '58 by a tiny pre-George Wallace gov. Montgomery, AL company called General Electronics.

They're undistinguished except in their scarcity.

However when mentioned to Rex 'JBJ yesterday he responded "Wow - haven't thought of them since I was a kid... their only ad is in the July '58 CQ. Pete Sides worked there."

Out came the CQs & there they were. It was June '58, but what's 30 days in 40 years among friends.

K4JBJ's memory, that's rare.

And if this isn't enough, I know a non-ham Pete Sides that's the right age and an inveterate tinkerer. That's next.

To make "three's charm," listmember K4JRB gave me a Xavier University QSL card fm '58 for fone sweepstakes - marked K8WBL with W8VFX/8 overstruck. My call was W8VFX and was 40 days fm expiration on the card date.

I was innactive by then having given my Viking I & HQ150 to that unequipped radio club. The club who's stn. which was operated that day by pal W8AUV John Maier - who commerated the donation on the QSL I find out 40 yrs later!!!

Oughta go back and check my horoscope for 1/3/98

'RM

Date: Sun, 4 Jan 1998 07:43:37 -0500
From: marty@aa4rm.radio.org (Marty R's latest)
To: boatanchors@theporch.com
Subject: Epoxy? Never on glass
Message-ID: <199801041243.HAA05547@aa4rm>

Sheldon Wheaton, KC0CW, asked this.

Rep'l rear view mirrors tell you NEVER - the epoxy undergoes 5% shrinkage on cure & that's glass murder.

Don't use the stuff to re-cement tube bases or caps. I've got my dead 809 here as a bitter reminder (earlier post)

Elmers Glue does fine - especially if cooked at 200F or so after the episode, AND, there's enuf original cement in place to fill the voids.

Marty

Date: Sun, 4 Jan 1998 07:05:35 -0600 (CST)
From: arc5@ix.netcom.com
To: boatanchors@sco.theporch.com
Subject: BC-610 / -614
Message-ID: <199814751716334@>

If any of you guys are near Tulsa, OK.,
you better got to rec.radio.amateur.boatanchors quick.
There's a BC-610 with tuning units/coils and speech amp
available for \$400 negotiable, pick-up only.
73 Dave AB5S

Date: Sun, 04 Jan 1998 09:06:04 -0800
From: "David M. Nance" <dmnance@roanoke.infi.net>
To: rlahlum@juno.com
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Grossly Overpriced BC-348?
Message-ID: <34AFC17C.6785@roanoke.infi.net>

Ross J Lahlum wrote:

>
> I decided to stop in a nearby antique shop today,
> and the counter attendant told me they did in fact have

> Well, I saw a BC-348P in a display case, in pretty
> clean condition - for \$350.00!!!
> I've been wanting a BC-348 for some time, but
> holy heaters, what were those people thinking?
> Is WWII stuff * that* collectible?
>

Ross,

I would not let the \$350 price stop me from making what the owner might consider a ridiculous offer. I travel in my business quite a lot and when time permits I check out the antique malls along the way. (A side benefit is they generally have the cleanest rest rooms anywhere) I still hold out hope that I'm going to find an Ocean Hopper for \$25 at one of these places.

Back in May I stopped in one just off the interstate on my way to Ohio. I quickly went through the place and thought once again I had "come up dry", as is usually the case. As I was walking down the final aisle I could see this huge Hallicrafters speaker. I was an R-42 "reproducer" and under it was an SX-42 in nice original condition. Price was \$450. Now it just so happen that the "owner" of this particular stall was there straightening up and adding some items. I engaged in a casual conversation with him for a few minutes (some might call it "bonding"). He voluntarily came down to \$250.

I invested a few more minutes and worked in the conversation how I would be "killed" if I brought home any more radios, etc. etc. He then began to pick up the SX-42 and move it to a spot he had cleared on top of a book case. I could see that it was not going to fit and at the instant he figured it out I said, "How about \$150?" His only reply was "Cash?"

Unfortunately I did not have that much "cash"; however, we ran the transaction through the mall register so I could use a credit card. I had to pay the 10% consignment commission and state tax which came to \$172.00. He got his \$150 cash and I got a decent deal on a nice SX-42 and mint R-42 Speaker.

And now I carry more cash.

73,

Dave - WB4SSE

Date: Sun, 4 Jan 1998 09:39:58 -0800
From: "Mike B. Feher" <n4fs@monmouth.com>
To: <marty@aa4rm.radio.org>, "Old Tube Radios" <boatanchors@theporch.com>
Subject: Re: Rare? This's rare
Message-ID: <199801041438.JAA01752@shell.monmouth.com>

I used to know Pete Sides fairly well, he was a ham but right now I do not recall his call. He was probably in his 70s when I last saw him over 20 years ago. 73s - Mike

Mike B. Feher, N4FS
89 Arnold Blvd.
Howell, NJ, 07731
732-901-9193

> CQ. Pete Sides worked there."

>

> And if this isn't enough, I know a non-ham Pete Sides that's the right
> age and an inveterate tinkerer. That's next.

Date: Sun, 4 Jan 1998 08:46:27 -0600 (CST)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: Al Klase <skywaves@bw.webex.net>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: V large chokes...how large?
Message-ID: <Pine.ULT.3.96.980104084431.7985B-100000@admin.aurora.edu>

On Sat, 3 Jan 1998, Al Klase wrote:

> Yes, we all meant to say hundreds of henries. The plate resistance of
> a remote cutoff pentode is on the order of a megohm, so a high value is
> indicated if max gain is to be achieved.

I am wondering about something - I think 700H was mentioned. With a
choke that big I am guessing that the distributed capacitance would
cause self resonance at a fairly low frequency. Has anyone checked
this out?

"Nostalgia is a thing of the past"
E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

Date: Sun, 4 Jan 1998 11:50:55 -0500
From: polepeeg@aa4rm.radio.org (BA x-actions hr)
To: boatanchors@theporch.com, richesb@algorithms.com
Subject: Re: T-350XM TRANSMITTER
Message-ID: <199801041650.LAA06066@aa4rm>

I and another fella have ones here. They were modified & in use @ Dobbins AFB
(GA) around '60. They were called 'HF1 & HF2.'

There's a T-350 data collector fella abroad who's name escapes me.

The things were built for British export to replace some Marconi trailer-born rig in late WW2. War ended b4 deployment - or so I hear

Ahhh... those two 813s, the 805s, and that garden of Thermidor xfrmr.s

Marty

Date: Sun, 4 Jan 1998 16:52:37 -0000
From: "OZ8RO" <otterstad@inet.uni-c.dk>
To: <B.H.Jarvis@hw.ac.uk>, "Old Tube Radios" <boatanchors@theporch.com>
Subject: Re: Grossly Overpriced BC-348?
Message-ID: <199801041648.RAA19595@inet.uni2.dk>

Most of us are old enough to wait a bit anyway. If we're spared.

>

> In the UK (and Europe?)

Has UK been moved ?

73 Rag oz8ro

Date: Sun, 04 Jan 1998 13:20:10 -0400
From: laffitte@prtc.net (laffitte)
To: boatanchors@theporch.com
Subject: SX111/FS
Message-ID: <34AFC4C5.FD21B73B@prtc.net>

Hi Gang:

I still have the Hallicrafters SX111 for sale. It is in excellent electronic shape. The front panel needs some cosmetics on a rust spot near the center and the knobs, all original, need cleaning and polishing. The cabinet was repainted. The chassis is clean but has spots on it. This set has the crystal filter but no product detector. Nonetheless it does very well on both USB and LSB. I have two manuals for it. I think \$70.00 would be very fair + shipping (about \$20.00-25.00 by parcel add about 15.00 more for priority and this is only an estimate).

TNX and Best 73s
Guido E. Santacana KP4FAR
BA Collector in the tropics

PS: All of you please blow some of that cold air this way. We are having the hottest (90s) December and January ever!

Date: Sun, 4 Jan 1998 12:23:21 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: Bob Roehrig <broehrig@admin.aurora.edu>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: V large chokes...how large?
Message-ID: <Pine.SUN.3.96.980104121402.15816C-100000@indy2>

Hi!

> On Sat, 3 Jan 1998, Al Klase wrote:
> > Yes, we all meant to say hundreds of henries.

On Sun, 4 Jan 1998, Bob Roehrig wrote:
> I am wondering about something - I think 700H was mentioned. With a
> choke that big I am guessing that the distributed capacitance would
> cause self resonance at a fairly low frequency. Has anyone checked
> this out?

Ahh, there is (as in so many other things) a trick to it--one you'll also find on some high-voltage transformers (like the induction coils of yore) and in modified form on some RF chokes:

The winding's often done in a series of "pies" rather than layer upon layer upon layer. So the shunt capacitance *mostly* looks like several condensers in series. You still have some nifty poles and zeros in the AF response (though a *big* choke has way less impedance than the plate that's driving it, so they tend to get swamped out) but they don't amount to a hill of beans for comms work. ...Mostly! Y'ever see a regen det with choke-coupling, and a resistor bridged across the choke? It's also doin' some swamping, which helps control "fringe howl," grungy effects caused (at least in part) by havin' a nonlinear plate load Z. It's an especially common trick in HB sets--don't recall National having to do that for the SW-3, since they had the luxury of making their own chokes and could fiddle with the design 'til it acted as they wished.

73,
--Bobbi

Date: Sun, 04 Jan 1998 12:31:03 -0500
From: John Dilks <oldradio@worldnet.att.net>
To: brainbol@lawrence.ks.us
Cc: boatanchors@theporch.com
Subject: Re: Is This a SW-3? -and- James Fred's address?
Message-ID: <34AFC757.5FA5@worldnet.att.net>

Can anyone provide James Fred's address for Bob? I searched the Jan ARC without results. (He doesn't put an ad in every month.)

--But-- he has everything anyone needs for the SW-3. Manual & CQ magazine reprints, Coils and forms -and- he's a nice guy. He's reasonable on prices too.

73' John Dilks, K2TQN

--- please visit: <http://www.ggw.org/awa> the --new-- AWA web page ---

Bob/WB0AUQ wrote:

>
> John,
> Does James Fred have e-mail address/web page?
> --
> 73,
>
> Bob/WB0AUQ AMI #213 FISTS #1905
> emailto:brainbol@lawrence.ks.us

Date: Sun, 04 Jan 1998 12:23:18 -0500
From: Dan Martin <dmartin@visuallink.com>
To: boatanchors@theporch.com
Subject: 51J4 Follow Up
Message-ID: <34AFC586.3637@visuallink.com>

Hello again, all:

The responses and advice offered in regard to my seemingly mysterious J4 PTO and i.f. output have been characteristically overwhelming and helpful, both in posted and private replies. A synopsis and conclusion:

The apparent doubling of the PTO frequency is, in fact, not that, but rather the frequency counter suddenly and inconveniently targeting a harmonic of the primary output. The fact that I have successfully tracked PTO's and set BFO knobs at their mid-point using a freq. counter without response to harmonics in other receivers blinded me to the less-than-pure spectral output of a PTO. Also, the counter choosing to suddenly display a 2X harmonic at exactly the midway point in the PTO output range further suckered me in. I guess I was generally appreciative of the fact that the PTO output wasn't a pure 3 to 2 mHz sinewave but thought the primary frequency was decibels enough up on the harmonics as to make freq. counter readings reliable. Not so. My experience with a counter and the J4 PTO is worth remembering in the future. Mixer outputs are obviously a vegetable soup of sums and differences, hence all the tuned circuits and filters in i.f. chains. I have less legitimate reason to have misinterpreted the weak and vague 480-490 khz i.f. output at the SO-239 jack on the back panel. By the time I got around to probing that, I was so deep in a measurement frenzy, surrounded by winking LCD's and quivering meter pointers, that I neglected the fact that I had absolutely no signal input base from which to expect a definitive i.f. Once I provided a signal source - signal generator, WWV, etc., I obtained a profound 3-5 volt i.f. at 500 khz out to the third decimal place! When measuring, *always* think and listen, too!

Net assessment? Thanks to the perspective offered by many, my beautiful J4 is indeed OK and my wife (also beautiful, and 4-5 years older than the J4) has again allowed me to use real knives at dinner and associate with other sharp objects, so much has my mood improved.

Finally, though I'm privileged to own several classic BA receivers and cannot pick a favorite, I must say a cabinet-bound 51J4 has always held a particular appeal for me. Ever since I was a pre-ham early teen SWL and spied a Collins 51J4 in the radio room of Jacques Cousteau's Calypso in the early sixties, I have thought that receiver to be the "Labrador Retriever" of high-end general coverage commercial BA receivers. I mean its business-like appearance just defines the species. (Others must feel that way, too, since I had three private replies to outright buy the rig from me, two of which seemed quite serious!) Now, I gotta read up on resetting the PTO endpoints without removing the PTO from the chassis and perhaps find someone who will loan me their home-made adjusting tool. Let's see ... where is that ER article ...

73 and thanks all,

Dan
WB4GRA
Winchester, VA

Date: Sun, 4 Jan 1998 13:19:15 EST
From: JONWEINER <JONWEINER@aol.com>
To: boatanchors@theporch.com
Subject: RE: WTB coil set for Signal Shifter
Message-ID: <906c952b.34afd2a5@aol.com>

I am restoring a Meissner model EX turret band-switching Signal Shifter (drifter?) to use with my Meissner 150B. Is there out in BA land a 160 meter coil strip set, Meissner model #18-3575? This would be a set of 3 coils that mount in the empty spot in the EX turret. Thanks very much.

Jon, K1VVC

Date: Sun, 4 Jan 1998 13:30:27 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: V large chokes...how large?
Message-ID: <Pine.SUN.3.96.980104132338.15816E-100000@indy2>

Sheeesh, I hate being dyslexic: a *big* choke has way MORE impedance than the plate driving it, that's how come some of the response glitchies get swamped, the tube and choke being essentially in parallel at AF, which models as a zero-Z source in series with a smallish resistor (plate Z), with a big resistor (choke Z) across it--and an even bigger resistor across that, the grid Z of that stage it is driving. If plate Z is substantially less (call it 10% and down) than choke Z etc., then it is the predominant factor in response of the system. If choke Z drops way less than plate Z at some point (a pole in the response), it'll still show up; but it takes a heckuva (unloaded) dip to make a 6dB loaded dip.

Arrrgh. Knew what I wanted to say but darned if it would come out right--a problem I have about 100X worse when speaking rather than writing. Small wonder I work alone most of the time!

73,
--Bobbi

Date: Sun, 4 Jan 1998 10:29:57 -0800 (PST)

From: Dick Dillman <ddillman@igc.apc.org>
To: boatanchors@theporch.com, boatanchors@listserv.tempe.gov
Subject: Morse Perforator Needs
Message-ID: <2.2.16.19980104102749.40ef5388@pop.igc.org>

Greetings, folks. Can anyone help with advice or leads on these items I need to make my Teletype (actually Kleinschmidt) Morse perforator operational? The objective is to be able to punch tapes and use them to key Tracy's remote controlled Collins 30K-5 transmitter, just like a real commercial coast station of years ago. In order to achieve this admittedly rather mad goal I'm looking for the following:

Power Supply - The correct unit is a Teletype model REC-32 but I would be interested in any properly vintage supply providing 120VDC at 2A or more.

Paper Tape - The perforator uses paper tape 1/2" wide. I'll need several rolls of this for the high volume of traffic I'm sure I'll be handling.

Reader - Creed or Bohme (are there others?) reader that will accept the tape produced by the perforator.

Thanks,

Dick

Dick Dillman
<ddillman@igc.apc.org>
WPE2VT W6AWO
Collector Of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

Date: Sun, 4 Jan 1998 13:31:31 -0500
From: "Paul Bernhard Sr." <w2tu@email.msn.com>
To: <boatanchors@theporch.com>
Subject: IF infofor R-4B
Message-ID: <007050732180418UPIMSSMTPUSR01@email.msn.com>

Help gang;

Need the info for basic IF alignment for the R-4B
(frequencies, procedure, etc.) Seems to work OK but would like to tweek it up
before taking it back aboard the Sullivans this spring when the park opens.

Thanks in advance.

Paul Bernhard Sr. W2TU/NNN0GNB

w2tu@msn.com

Date: Sun, 4 Jan 1998 13:42:51 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: John Dilks <oldradio@WORLDNET.ATT.NET>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Is This a SW-3? -and- James Fred's address?
Message-ID: <Pine.SUN.3.96.980104133211.15816F-100000@indy2>

Hi!

Jim Fred is well over 70 and as far as I know, he does not do e-mail, the WWW, or credit cards. He is a *super* guy and his coil-forms (Nat'l six-pin and tube-base 4, 5 & 6-pin) are the best new ones available, bar none. (Being linen phenolic, they do benefit from a surface coating to exclude moisture--it's somewhat hygroscopic; but you can't buy a better new coil forms unless the JA's are still making the polystyrene octal-base ones and just not exporting 'em any more. The AES 5-pin ones are useable but not in Jim's league).

Antique Radio Labs

R1, Box 41

Cutler, IN 46920

...send a couple of dollars to cover his add-a-page catalog, which lists a wide variety of unobtainium parts. If the name sounds familiar, he did the "antique radio" columns for Elementary Electronics some 20 years ago--Mr. Fred was in this hobby before most folks even knew it was a hobby; he's sharp as a tack and has a great deal of wisdom.

73,

--Bobbi

Date: Sun, 4 Jan 1998 11:57:43 -0800
From: "Arden Allen" <aallen@sirius.com>
To: "Old Tube Radios" <boatanchors@theporch.com>, <marty@aa4rm.radio.org>

Subject: Re: Epoxy? Never on glass

Message-ID: <199801041957.LAA00638@mail1.sirius.com>

There are epoxies that remain flexible upon cure. One such type is used for bonding heatsinks which have a large expansion coefficient. They are loaded with polymers that retain their flexibility and look kind of murky instead of clear (unless pigmented). Check with industrial distributors of 3M, Dexter, and others for product data sheets.

Give your loved ones Gummy Bears.

Arden Allen KB6NAX Vallejo, CA aallen@sirius.com

End of BOATANCHORS Digest 1864
